

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL PERMIT V-06-052

ISP Chemicals, LLC

Calvert City, KY 42029

December 21, 2007

Carolina Alonso, Reviewer

SOURCE ID: 21-157-00003

SOURCE A.I. #: 2939

ACTIVITY ID: APE20060003

SOURCE DESCRIPTION:

On October 9, 2006, the source applied to the Division for the construction/operation of a chemical manufacturing facility in Calvert City, Kentucky.

ISP Chemicals Inc. (ISP) is a large Synthetic Organic Chemical plant that makes a wide variety of intermediates and specialty chemicals. The source is a major source, as defined by 401 KAR 52:020 Title V Permits, for the potential emissions of over 100 tons per year of sulfur dioxide (SO₂), nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC), the potential of a single hazardous air pollutant (HAP) greater than 10 tons per year, and the potential combined HAP emissions greater than 25 tons per year.

The source is also a major source, as defined by 401 KAR 51:017 Prevention of Significant Deterioration of Air Quality (PSD), for potential emissions of over 100 tons per year of SO₂, NO_x, CO and VOC.

U.S. EPA REVIEW:

The U.S. EPA was notified of the issuance of the proposed permit on October 30, 2007 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.